

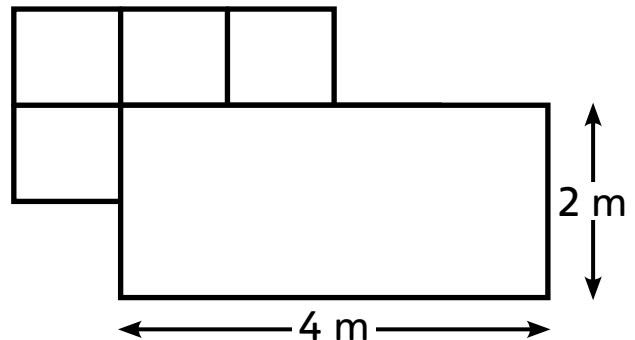
Deepen Activities

- 1
 - a) Using four square tiles, explore the area of different shapes that you can make. What do you notice?
 - b) Make different shapes from five square tiles. What do you notice? Why is it the case?
 - c) Try to find all 12 possible shapes that can be made from five square tiles. Check that all 12 of your shapes are different.

I wonder why the perimeter sometimes changes but the area does not seem to.



- 2 A garden pond is $4\text{ m} \times 2\text{ m}$. It will have a border of patio slabs which are each 1 metre square.



- a) How many slabs are needed to make the border for the whole pond?
 - b) How many slabs would be needed for a pond $5\text{ m} \times 2\text{ m}$?
 - c) How can you use the pond size to work out the number of slabs?
- 3
 - a) Which has the greater area, a rectangle that is 4 cm high and 3 cm wide, or a rectangle that is 5 cm wide and 2.5 cm high?
 - b) Draw five different rectangles with an area between 12 cm^2 and 20 cm^2 .